

1 Residential Buildings: Technologies, Design, Performance Analysis, and Building Industry Trends

Cool Colored Materials for Roofs

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Housing Trends as an Indicator of Future Housing Stock and Energy Use: 1990 and 2001 RECS Comparisons

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Statistical Analysis of Historical State-Level Residential Energy Consumption Trends

David B. Belzer, Pacific Northwest National Laboratory
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Energy Star® Manufactured Homes: The Plant Certification Process

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Subrato Chandra, Florida Solar Energy Center
David Beal, Florida Solar Energy Center
Neil Moyer, Florida Solar Energy Center

Update of Energy Efficiency Requirements for Manufactured Homes

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Heather Dillon, Pacific Northwest National Laboratory
Robert Lucas, Pacific Northwest National Laboratory
Chris Early, U.S. Department of Energy
Michael Lubliner, Washington State University Energy Program

Field Evaluation of New Manufactured Homes in the Pacific Northwest

Bob Davis, Ecotope, Inc.
David Baylon, Ecotope, Inc.
Tom Hewes, Oregon Department of Energy

Moisture Solution Becomes Efficiency Bonanza in Southeastern United States

Bruce Davis, Advanced Energy
Cyrus Dastur, Advanced Energy

Understanding Heating Seasonal Performance Factors for Heat Pumps

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Building a Path Towards Zero Energy Homes with Energy Efficiency Upgrades

Dean Gamble, ICF Consulting

Brian Dean, ICF Consulting

David Meisegeier, ICF Consulting

Jay Hall, Building Knowledge

High Performance Systems that Integrate Space Heating, Water Heating & Ventilation

Jamie Glouchkow, Natural Resources Canada

John Gusdorf, Natural Resources Canada

Skip Hayden, Natural Resources Canada

Anil Parekh, Natural Resources Canada

Evgueniy Entchev, Natural Resources Canada

Insulation Buried Attic Ducts: Analysis and Field Evaluation Findings

Dianne Griffiths, Steven Winter Associates, Inc.

Marc Zuluaga, Steven Winter Associates, Inc.

David Springer, Davis Energy Group, Inc.

Robb Aldrich, Steven Winter Associates, Inc.

Saving Electricity and Reducing GHG Emissions with ECM Furnace Motors: Results from the CCHT and Projections to Various Houses and Locations

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Household Energy Use in a Temperate Climate

Nigel Isaacs, BRANZ Ltd.

Michael Camilleri, BRANZ Ltd.

Andrew Pollard, BRANZ Ltd.

Measured Duct Leakage at Operating Conditions in 48 Homes

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Field Testing of External Foundation Insulation

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Geographic Variation in Potential of Rooftop Residential Photovoltaic Electric Power Production in the United States

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Robin Vieira, Florida Solar Energy Center
Philip Fairey, Florida Solar Energy Center

Lest We Forget, a Short History of Housing in the United States

James D. Lutz, Lawrence Berkeley National Laboratory

Measured Energy and Peak Demand Reduction from High Efficiency Air Conditioner Replacement

John A. Masiello, Progress Energy Florida, Inc.
Matthew P. Bouchelle, Progress Energy Florida, Inc.
Danny S. Parker, Florida Solar Energy Center
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Field Measurements of Air Conditioners with and without TXVs

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Assessing Six Residential Ventilation Techniques in Hot and Humid Climates

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Duct Efficiency under Full-Load or Modulating Conditions: Implications for Heat Pump Performance

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Cooling Related Performance of Finished and Unfinished Metal Roofing Systems

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Electricity Savings from Variable-Speed Furnaces in Cold Climates

Scott Pigg, Energy Center of Wisconsin
Tom Talerico, Glacier Consulting Group

Field Investigation of 18 Solar-Assisted Domestic Hot Water Systems with Integral Collector Storage

William Rittelmann, IBACOS, Inc.

What Will It Take to Reduce Total Residential Source Energy Use by Up to 60%?

Armin Rudd, Building Science Corporation
Philip Kerrigan, Jr., Building Science Corporation
Kohta Ueno, Building Science Corporation

A Performance Based Method to Determine Refrigerant Charge Level for Commissioning Unitary AC and HP Systems

Keith A. Temple, KAT Consulting

Teamwork in the Assessment of the Residential Market: California's Consortium Residential Appliance Saturation And Unit Energy Consumption Study

Wendy Tobiasson, KEMA-XENERGY

Fred Sebold, ITRON

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Continuous Observation and Evaluation of Photovoltaic Power Generation Systems for Residential Buildings in Japan

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Improving Air Handler Efficiency in Houses

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Comparison of Calculated and Measured Air Conditioning Design Loads for Alternative Glazing Options in Production Homes in California

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